## **Author Index**

Accomazzo, M.R., 235 Akimaru, S., 253

Beck-Speier, I., 217 Bishop-Bailey, D., 1 Brietbart, H., 119 Brock, T.G., 131

Capra, V., 235 Celotti, F., 147 Chang, W.-C., 277 Coffey, M.J., 131

Dayal, N., 217 Denzlinger, C., 217 Durand, T., 147

Elder, M.G., 43 Enrico Rovati, G., 235 Eynard, A.R., 177

Fang, X., 33

Haberl, C., 217 Hatakeyama, M., 293 Heyd, V.L., 177 Heyder, J., 217 Honn, K.V., 189 Humphreys, V., 55

Imaizumi, T., 293 Ito, H., 253

Jabbour, H.N., 97 Jain, N.K., 163

Kandouz, M., 189 Katsube, N., 253 Kawakami, Y., 205 Kim, L., 55 Kock, J.L.F., 85 Krishnamoorthy, S., 189 Kulkarni, S.K., 163 Kumagai, M., 293

López Bernal, A., 23

Macchia, M., 235 Maddipati, K.R., 189 Maegawa, H., 253 Maier, K.L., 217 Mancuso, P., 131 Marsala, M., 253 Maru, E., 205 McNish, R.W., 131 Meves, H., 265 Michaeli, S., 119 Moore, F., 23

Nakai, K., 253 Nicosia, S., 235 Nie, D., 189 Nigam, S., 85

Parenti, M., 235 Patil. C.S., 163 Peters-Golden, M., 131 Pidgeon, G.P., 189 Pohl, C.H., 85

Raisz, L.G., 287 Ravasi, S., 235

Sales, K.J., 97 Satoh, K., 293 Shemesh, M., 119 Shore, L., 119 Singh, A., 163 Singh, V.P., 163 Spector, A.A., 33 Stram, Y., 119 Strauss, C.J., 85 Sugiura, H., 205 Sullivan, M.H.F., 43 Suzuki, K., 205

Takemiya, T., 205 Takenobu, Y., 253 Takimizu, H., 253 Tamo, W., 293 Tanji, K., 293 Tsuda, V., 55

Weems, C.W., 55 Weems, Y.S., 55 Weintraub, N.L., 33 Woodiel, F.N., 287 Wray, J., 1

Xiuzhu, T., 119

Yamagata, K., 205 Yamashita, K., 293 Yasuda, S., 205 Yoshida, H., 293

Ziesenis, A., 217 Zosmer, A., 43



## Subject Index

Agonists, 287 Anti-inflammatory drugs, 147 Anti-tumour activities, 177 Arachidonic acid, 43, 55, 189

Bone formation, 287 Bone resorption, 287 Bovine aortic endothelial cells, 119 Brain COX-2, 205

cAMP, 265
Caspase 3, 23
Cilostazol, 253
c-Jun, 277
COX-1, 147
COX-2, 147
COX inhibitors, 147
Cyclooxygenase, 1, 97, 131, 147, 217
Cyclooxygenase II, 119
CysLT<sub>1</sub> receptors, 235
Cytochrome P450, 1

Dibutyryl cyclic AMP, 43 15d-PGJ<sub>2</sub>, 293

Eicosanoids, 189
Eicosatrienoic acid, 177
Endothelial cells, 293
Endothelium, 33
Epidermal growth factor, 277
Epoxyeicosatrienoic acid, 33
Epoxygenase, 1
Esterification, 3

Fatty acids, 1, 177 Fungi, 85 Gene activation, 277 Gene silencing, 119 GM-CSF, 293

12(S)-HETE, 189
Hippocampal seizures, 205
Human 12(S)-lipoxygenase, 277
Human cancer cell lines, 177
Human uterine smooth muscle, 23
3-Hydroxy oxylipin, 85

Inflammatory bowel disease, 163 Intermittent claudication, 253

Leukotrienes, 131 Licofelone, 147 Lipids, 1 Lipopolysaccharide, 131 Lipoxygenase, 1, 217 5-Lipoxygenase, 131,147 12-Lipoxygenase (12-LOX), 189 5-LOX, 147 LOX inhibitors, 147 LTD<sub>4</sub>, 235 Luteinizing hormone, 55

Macrophages, 217

NF-κB, 189 NG108-15 cells, 265 Nimesulide, 163 Nitric oxide synthase, 131 Non-selective cation channel, 265

OP-1206 α-CD, 253

PAF, 217 Peritoneal macrophage, 131 Peroxisome proliferatoractivated receptor. 1 PGE<sub>2</sub>, 205 Phorbol ester, 277 Phospholipase A<sub>2</sub>, 217 Phospholipid, 33 Prenylated proteins, 235 Progesterone, 55 Prostaglandin, 97 Prostaglandin E<sub>1</sub>, 265 Prostaglandin E2, 287 Prostanoids, 163 Prostate cancer, 189 Protein expression, 23

Rapid kindling, 205 Receptors, 97 Reproductive pathology, 97 RhoA-associated protein kinase I. 23

Signal transduction, 235 Smooth muscle, 33 Sp1, 277 Spinal canal stenosis, 253 Spinal cord blood flow, 253 Sulfite, 217

Thromboxane A<sub>2</sub>, 23 Trophoblast, 43

U46619, 23 U937 cells, 235

Yeast, 85



